

Title (en)
SPINNERET, METHOD OF HEATING A SPINNERET AND LYOCELL PROCESS

Title (de)
SPINNDÜSE, VERFAHREN ZUR ERWÄRMUNG EINER SPINNDÜSE UND LYOCELLPROZESS

Title (fr)
FILIÈRE, PROCÉDÉ DE CHAUFFAGE D'UNE FILIÈRE ET PROCÉDÉ LYOCELL

Publication
EP 3674452 A1 20200701 (EN)

Application
EP 18248182 A 20181228

Priority
EP 18248182 A 20181228

Abstract (en)
The present invention relates to a spinneret, and a method of heating a spinneret used for spinning cellulosic filaments from a cellulose solution in a solvent. The invention also relates to a lyocell process employing such a spinneret

IPC 8 full level
D01D 4/00 (2006.01); **D01D 4/02** (2006.01); **D01F 2/00** (2006.01)

CPC (source: EP KR US)
D01D 4/00 (2013.01 - EP); **D01D 4/02** (2013.01 - EP KR US); **D01D 10/02** (2013.01 - US); **D01F 2/00** (2013.01 - EP KR);
D01F 2/06 (2013.01 - US); **D01F 2/00** (2013.01 - US)

Citation (applicant)
• EP 0756025 A2 19970129 - COURTAULDS FIBRES HOLDINGS LTD [GB]
• EP 0700456 A1 19960313 - COURTAULDS FIBRES HOLDINGS LTD [GB]
• WO 03014429 A1 20030220 - TENCEL LTD [GB], et al
• WO 03014429 A1 20030220 - TENCEL LTD [GB], et al
• WO 9806754 A1 19980219 - AKZO NOBEL NV [NL], et al

Citation (search report)
• [X] WO 03014429 A1 20030220 - TENCEL LTD [GB], et al
• [XA] CN 205241867 U 20160518 - TAIZHOU HUANGYAN HENGJIA PLASTIC CO LTD
• [A] US 3130448 A 19640428 - TOMLINSON ARTHUR R

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3674452 A1 20200701; BR 112021011780 A2 20210831; CN 113227470 A 20210806; CN 113227470 B 20221213;
EP 3902943 A1 20211103; JP 2022515535 A 20220218; JP 7229366 B2 20230227; KR 102525531 B1 20230424; KR 20210107105 A 20210831;
TW 202026473 A 20200716; US 2022074074 A1 20220310; WO 2020136118 A1 20200702

DOCDB simple family (application)
EP 18248182 A 20181228; BR 112021011780 A 20191220; CN 201980086708 A 20191220; EP 19824353 A 20191220;
EP 2019086705 W 20191220; JP 2021538186 A 20191220; KR 20217023729 A 20191220; TW 108147161 A 20191223;
US 201917417848 A 20191220